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Maine Occupational Staffing, Hospitals April 1992

Maine Department of Labor

Maine Division of Economic Analysis and Research

Maine Labor Market Information Services

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Division of Economic Analysis and Research

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Maine

Occupational

Staffing

Hospitals

April 1992



DEC 30 1993

John R. McKernan, Jr.
Governor



Charles A. Morrison
Commissioner

Raynold A. Fongemie
Division Director

DEPARTMENT OF LABOR
DIVISION OF ECONOMIC ANALYSIS AND RESEARCH

MAINE OCCUPATIONAL STAFFING

FOR

HOSPITALS

April 1992

This labor market information is developed through a cooperative program
with the U.S. Bureau of Labor Statistics

Issued December 1993

Augusta, Maine

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PREFACE

We wish to express our thanks to all the hospitals who supplied the necessary occupational employment data on which the estimates presented herein are based. This publication would not have been possible without their cooperation.

We also wish to express our thanks to the U.S Bureau of Labor Statistics, both in Washington, D.C. and the regional level in Boston, Massachusetts, for their assistance in this federal-state cooperative effort. Special thanks also go to Janet White for providing graphics support.

This publication describes Maine hospitals in terms of their occupational composition. It tells what occupations are found in hospitals, and the number of workers employed in each occupation. This type of data has many uses, both public and private. Employers use this data to compare their staffing to their industry. Vocational advisors in high schools, trade and technical colleges, universities, and government employment offices use this data to help place current job seekers and to advise those of the future. This data helps determine what skills would be needed to attract a new firm or industry into an area. The information also gives insight into what jobs might be lost should an industry experience massive reductions in employment. Also, this data forms the basis of the state's occupational employment projections program. The output of this program helps job training specialists and planners from economic development agencies to plan for the future.

For further information regarding this report, please call Wendy Nelson, Senior Economic Research Analyst, at 207-287-2271.

*Raynold A. Fongemie, Director
Division of Economic Analysis and Research*

A Publication Series Developed by the Field Services Branch

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INTRODUCTION

This publication is one of a continuing number of reports covering occupational employment for selected industries in Maine. The information in these reports relates to part of a comprehensive "labor market and occupational supply and demand information system" which is mandated by the Job Training Partnership Act of 1982 and reinforced by the Carl D. Perkins Vocational and Applied Technology Education Act Amendments of 1990. This federal legislation, coupled with the rapidly expanding public awareness of the need for more vocational training, has resulted in an unparalleled demand for current employment data and projections of future employment requirements by occupation.

The Occupational Employment Statistics (OES) Program is mandated as the system which supplies the occupational data leading to an "Occupational Supply and Demand Information System." The program is a federal-state endeavor involving all state employment security agencies throughout the nation, in conjunction with the U.S. Bureau of Labor Statistics. The OES program consists of two components: survey operations and industry-occupational matrices. The data from this program is then used in our occupational employment projections program.

The first part of the OES program consists primarily of collecting occupational employment data by industry through a survey questionnaire mailed to a sample of establishments throughout the State. The sample data received is expanded using a system of weights, nonresponse adjustment factors, and benchmark factors to produce statewide staffing patterns for this industry. These staffing patterns can be applied to current or projected estimates of industrial employment to produce estimates of employment by occupation for the State or substate areas. This sample data is also submitted to the U.S. Bureau of Labor Statistics for input into National occupational employment statistics, by industry.

This publication, a direct result of the survey phase of the OES program, contains the staffing patterns for hospitals. The actual employment data was collected for the payroll period that included the 12th of April, 1992.

Other publications have already been developed covering nearly all wage and salary workers in Maine. A list of these can be found on page 15. Approximately one-third of the State's industries will be surveyed each year, so that the entire economy will be covered every three years. Using this cycle, employers are asked to provide occupational data only once every three years. This ensures that no part of the data base is over three years old, and that significant changes in the staffing patterns of industries can be identified early, as the trend develops.

The information obtained from these surveys is used in the second phase of the OES program to construct industry-occupation matrices covering all sectors of our economy. These matrices, in turn, provide the data base used to project future occupational needs in the State of Maine.

WAGE COLLECTION IN OES

This survey marks the first survey of hospitals in which wage data was collected through the OES program. This wage data was solicited for all occupations, from all sampled employers. The wages collected were not actual wages, but wage ranges. The ranges were broken down into 11 categories as follows:

RANGE	HOURLY	ANNUAL
A	Under \$5.00	Under \$10,400
B	\$5.00 - 6.49	\$10,400 - 13,519
C	\$6.50 - 7.99	\$13,520 - 16,639
D	\$8.00 - 9.99	\$16,640 - 20,799
E	\$10.00 - 11.99	\$20,800 - 24,959
F	\$12.00 - 13.99	\$24,960 - 29,119
G	\$14.00 - 16.99	\$29,120 - 35,359
H	\$17.00 - 20.99	\$35,360 - 43,679
I	\$21.00 - 24.99	\$43,680 - 51,999
J	\$25.00 - 35.00	\$52,000 - 72,800
K	Over \$35.00	Over \$72,800

The U.S. Bureau of Labor Statistics determined that even though the data had been collected by ranges only, the mean and median wage could be accurately calculated. For this publication, only the mean, or average, wage has been included. It should be noted that to produce this average hourly wage, it was assumed that full-time employees worked a 40-hour week. Also, it was requested during wage collection, that hourly, rather than annual, wages be reported for all part-time workers.

Wages collected represent straight-time wages (or earnings); that is, total earnings before payroll deductions, excluding premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump sum payments, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living allowance clauses, incentive payments (such as those resulting from piecework, production bonuses, and commissions), and longevity are included as part of the regular pay.

5431

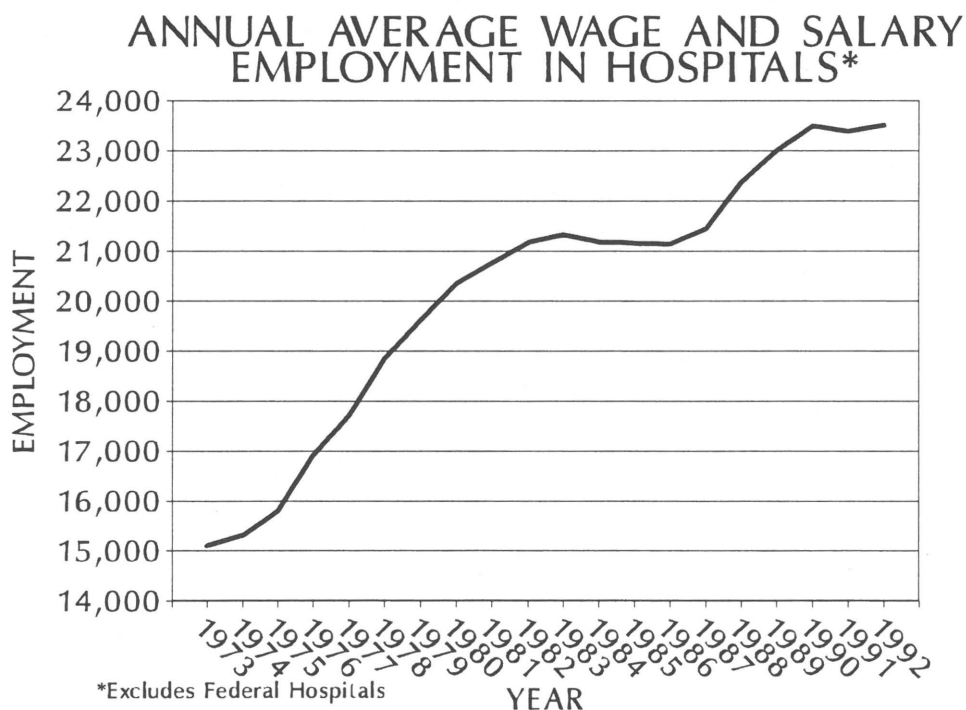
HOSPITALS SIC 806

Private, state, and municipal hospitals are all included in this survey. Excluded is the U.S. Veterans Administration Hospital at Togus, which is classified under federal government.

Annual average wage and salary employment in hospitals rose steadily from 15,100 workers in 1973 to 21,300 workers in 1983, an increase of 41.1 percent, or 4.1 percent annually. During the years 1983 and 1986 employment in this industry remained fairly constant. Then between 1986 and 1990 employment again grew steadily, this time at a 2.8 percent annual rate, increasing from 21,100 workers to 23,500 workers. However from 1990 through 1992 employment again remained steady, ending this period with 23,500 employees.

In 1992, total wages paid to employees in hospitals equaled \$574.9 million. The average annual wage per worker was \$24,447. This average wage was 17.9 percent higher than the \$20,740 annual average wage for this industry's workers in 1989.

The annual average wage in 1992 was highest for employees at state government hospitals, \$26,656. In private hospitals workers averaged \$24,474, and in local government-run hospitals, employees averaged \$20,675.



There were 23,380 workers employed in 51 hospitals in April, 1992. This is an increase in employment of 2.5 percent since the previous survey in April of 1989, and 11.7 percent since the survey in April of 1986. Although there was employment reported in nearly 150 occupations, over one-half of the total employment, 56 percent, was concentrated in just 10 occupations.

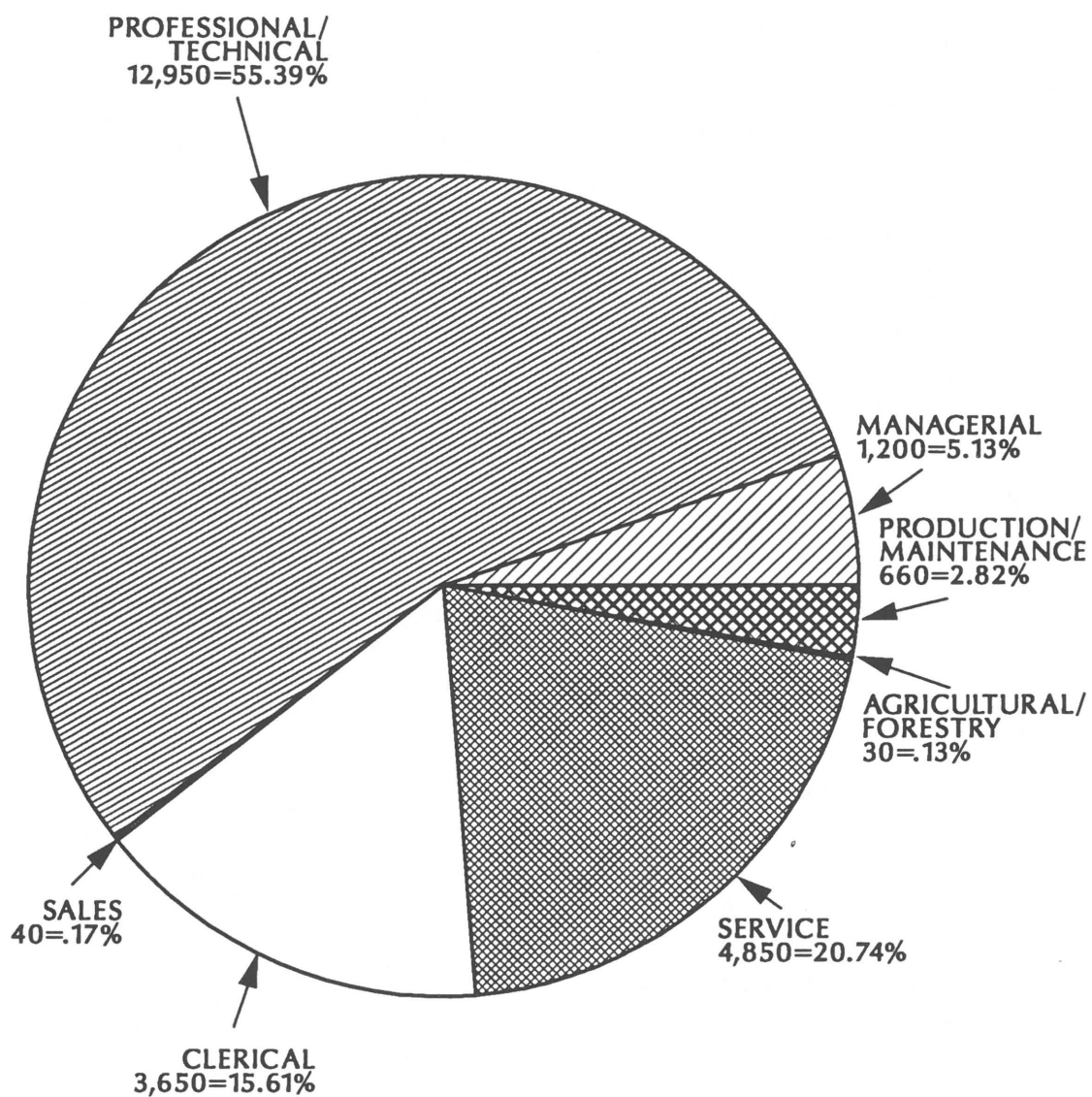
TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
 MAINE
 SIC 80 HOSPITALS
 TOTAL NUMBER OF RESPONDENTS: 38
 REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
REGISTERED NURSES.....325023	6,110	26.13	0.00	94.74
NURSING AIDES, ORDERLIE & ATTENDANTS.....660083	1,650	7.06	0.22	81.58
LICENSED PRACTICAL NURSES.....325053	1,460	6.24	0.00	94.74
MAIDS & HOUSEKEEPING CLEANERS.....670023	780	3.34	0.00	68.42
SECRETARIES, EXCEPT LEGA & MEDICAL.....551083	670	2.87	0.15	81.58
MEDICAL & CLINICAL LABORATOR TECHNOLOGISTS.....329023	600	2.57	0.00	76.32
MEDICAL SECRETARIES.....551053	520	2.22	0.00	68.42
PHYSICIANS & SURGEONS.....321023	480	2.05	0.00	44.74
HEALTH SERVICES MANAGERS.....150083	470	2.01	0.00	78.95
FOOD PREPARATION WORKERS.....650383	420	1.80	0.58	55.26
TOTAL	13,160	56.29		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
 MAINE
 SIC 80 HOSPITALS
 TOTAL NUMBER OF RESPONDENTS: 38
 REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
REGISTERED NURSES.....325023	6,110	26.13	0.00	94.74
LICENSED PRACTICAL NURSES.....325053	1,460	6.24	0.00	94.74
COOKS, INSTITUTION O CAFETERIA.....650283	200	0.86	0.00	89.47
SOCIAL WORKERS, MEDICAL PSYCHIATRIC.....273023	300	1.28	2.00	84.21
PHYSICAL THERAPISTS.....323083	200	0.86	0.00	84.21
MEDICAL RECORDS TECHNICIANS.....329113	310	1.33	0.00	81.58
SECRETARIES, EXCEPT LEGA & MEDICAL.....551083	670	2.87	0.15	81.58
NURSING AIDES, ORDERLIE & ATTENDANTS.....660083	1,650	7.06	0.22	81.58
PERSONNEL, TRAINING & LABO RELATIONS MANAGERS.....130053	60	0.26	0.00	78.95
HEALTH SERVICES MANAGERS.....150083	470	2.01	0.00	78.95
PHARMACISTS.....325173	160	0.68	0.00	78.95

ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN HOSPITALS



MAINE

SIC 80 HOSPITALS

BENCHMARK EMPLOYMENT: 23,350

REFERENCE DATE : April 12, 1992

TOTAL NUMBER OF RESPONDENTS:

38

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	23,380	100.00	N.A.	N.A.	\$12.60
MANAGERIAL & ADMINISTRATIVE.....100003	1,200	5.13	N.A.	N.A.	21.10
FINANCIAL MANAGERS.....130023	70	0.30	0.00	68.42	24.50
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS.....130053	60	0.26	0.00	78.95	21.80
PURCHASING MANAGERS.....130083	30	0.13	0.00	63.16	15.50
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS.....130113	30	0.13	0.00	52.63	18.10
ADMINISTRATIVE MANAGERS.....130143	60	0.26	0.00	31.58	21.40
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS.....130173	30	0.13	0.00	26.32	23.70
HEALTH SERVICES MANAGERS.....150083	470	2.01	0.00	78.95	21.10
FOOD SERVICE/LODGING MANAGERS.....150263	50	0.21	0.00	65.79	15.20
GENERAL MANAGERS & TOP EXECUTIVES.....190053	150	0.64	1.67	65.79	25.20
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	250	1.07	N.A.	N.A.	19.70
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	12,950	55.39	N.A.	N.A.	15.10
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS.....211003	100	0.43	N.A.	N.A.	13.30
ACCOUNTANTS & AUDITORS.....211143	60	0.26	0.00	55.26	13.70
BUDGET ANALYSTS.....211173	10	0.04	0.00	21.05	14.70
OTHER FINANCIAL SPECIALISTS.....211993	30	0.13	N.A.	N.A.	11.90
PURCHASING AGENTS.....213083	30	0.13	0.00	28.95	11.20
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS.....215113	60	0.26	0.00	39.47	13.20
COMPLIANCE OFFICERS, EXCEPT CONSTRUCTION.....219113	10	0.04	0.00	15.79	15.50
ALL OTHER MANAGEMENT SUPPORT.....219993	80	0.34	N.A.	N.A.	16.30
ALL OTHER ENGINEERS & RELATED.....229993	10	0.04	N.A.	N.A.	15.40
LIFE SCIENTISTS.....243003	10	0.04	N.A.	N.A.	28.50
MEDICAL SCIENTISTS.....243113	10	0.04	0.00	7.89	28.50
COMPUTER SCIENTISTS & RELATED.....251003	80	0.34	N.A.	N.A.	16.30
SYSTEMS ANALYSTS.....251023	40	0.17	0.00	26.32	17.80
COMPUTER PROGRAMMERS.....251053	30	0.13	0.00	26.32	15.40
OTHER COMPUTER SCIENTISTS & RELATED.....251993	10	0.04	N.A.	N.A.	12.60
SOCIAL SCIENTISTS, INCLUDING URBAN & REGIONAL PLANNERS.....271003	50	0.21	N.A.	N.A.	18.70
PSYCHOLOGISTS.....271083	20	0.09	0.00	15.79	25.00
ALL OTHER SOCIAL SCIENTISTS.....271993	30	0.13	N.A.	N.A.	13.70
SOCIAL WORKERS, MEDICAL & PSYCHIATRIC.....273023	300	1.28	2.00	84.21	14.60
SOCIAL WORKERS, EXCEPT MEDICAL & PSYCHIATRIC.....273053	20	0.09	0.00	15.79	12.70
OTHER SOCIAL SCIENCE & RELATED.....273993	10	0.04	N.A.	N.A.	9.20

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 80 HOSPITALS
BENCHMARK EMPLOYMENT: 23,350
REFERENCE DATE : April 12, 1992

TOTAL NUMBER OF RESPONDENTS:

38

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
RELIGIOUS WORKERS.....275003	20	0.09	N.A.	N.A.	\$14.10
CLERGY.....275023	20	0.09	0.00	21.05	14.10
TEACHERS.....311003	20	0.09	N.A.	N.A.	18.00
NURSING INSTRUCTORS.....311143	20	0.09	0.00	10.53	18.00
OTHER TEACHERS/INSTRUCTORS.....313993	40	0.17	N.A.	N.A.	17.90
LIBRARIANS, PROFESSIONAL.....315023	20	0.09	0.00	34.21	13.00
TECHNICAL ASSISTANTS, LIBRARY.....315053	20	0.09	0.00	15.79	8.50
HEALTH PRACTITIONERS, TECHNICIANS & TECHNOLOGISTS.....320003	11,970	51.20	N.A.	N.A.	15.20
PHYSICIANS & SURGEONS.....321023	480	2.05	0.00	44.74	25.00
OTHER HEALTH DIAGNOSING & TREATING PRACTITIONERS.....321993	10	0.04	N.A.	N.A.	22.20
RESPIRATORY THERAPISTS.....323023	320	1.37	0.00	63.16	13.80
OCCUPATIONAL THERAPISTS.....323053	100	0.43	0.00	57.89	16.30
PHYSICAL THERAPISTS.....323083	200	0.86	0.00	84.21	17.50
SPEECH PATHOLOGISTS & AUDIOLOGISTS.....323143	30	0.13	0.00	18.42	19.40
RECREATIONAL THERAPISTS.....323173	20	0.09	0.00	18.42	12.60
ALL OTHER THERAPISTS.....323993	10	0.04	N.A.	N.A.	10.10
REGISTERED NURSES.....325023	6,110	26.13	0.00	94.74	16.80
LICENSED PRACTICAL NURSES.....325053	1,460	6.24	0.00	94.74	10.40
EMERGENCY MEDICAL TECHNICIANS.....325083	200	0.86	0.00	23.68	7.60
PHYSICIAN'S ASSISTANTS.....325113	110	0.47	0.00	42.11	21.70
PHARMACISTS.....325173	160	0.68	0.00	78.95	22.70
DIETITIANS & NUTRITIONISTS.....325213	60	0.26	0.00	57.89	14.50
DIETETIC TECHNICIANS.....325233	90	0.38	0.00	44.74	9.10
MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS.....329023	600	2.57	0.00	76.32	14.80
MEDICAL & CLINICAL LABORATORY TECHNICIANS.....329053	260	1.11	0.00	63.16	12.60
MEDICAL RECORDS TECHNICIANS.....329113	310	1.33	0.00	81.58	8.80
NUCLEAR MEDICINE TECHNOLOGISTS.....329143	50	0.21	0.00	50.00	15.20
RADIOLOGIC TECHNOLOGISTS.....329173	360	1.54	0.00	68.42	13.30
RADIOLOGIC TECHNICIANS.....329213	190	0.81	0.00	42.11	12.40
ELECTROENCEPHALOGRAPH TECHNOLOGISTS.....329233	10	0.04	0.00	7.89	11.80
CARDIOLOGY TECHNOLOGISTS.....329253	80	0.34	0.00	28.95	14.20
ELECTROCARDIOGRAPH TECHNICIANS.....329263	50	0.21	0.00	26.32	8.80
SURGICAL TECHNICIANS.....329283	220	0.94	0.00	63.16	10.80
PSYCHIATRIC TECHNICIANS.....329313	180	0.77	0.00	15.79	8.20
OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS/TECHNICIANS.....329993	300	1.28	N.A.	N.A.	12.00
PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS.....340083	10	0.04	0.00	15.79	12.80
PHOTOGRAPHERS.....340233	10	0.04	0.00	7.89	13.70

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
 SIC 80 HOSPITALS
 BENCHMARK EMPLOYMENT: 23,350 TOTAL NUMBER OF RESPONDENTS: 38
 REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	80	0.34	N.A.	N.A.	\$11.90
SALES & RELATED OCCUPATIONS.....400003	40	0.17	N.A.	N.A.	7.60
CASHIERS.....490233	40	0.17	0.00	31.58	7.60
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	3,650	15.61	N.A.	N.A.	8.50
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	240	1.03	0.00	71.05	11.30
OTHER BANKING, SECURITY, FINANCE & CREDIT WORKERS.....531993	10	0.04	N.A.	N.A.	8.70
MEDICAL SECRETARIES.....551053	520	2.22	0.00	68.42	8.40
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	670	2.87	0.15	81.58	9.30
STENOGRAPHERS.....553023	90	0.38	0.00	21.05	8.40
RECEPTIONISTS & INFORMATION CLERKS.....553053	350	1.50	0.00	63.16	8.00
TYPISTS, INCLUDING WORD PROCESSING.....553073	100	0.43	0.00	26.32	9.50
PERSONNEL CLERKS, EXCEPT PAYROLL & TIMEKEEPING.....553143	30	0.13	0.00	34.21	9.00
FILE CLERKS.....553213	70	0.30	0.00	36.84	6.60
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	40	0.17	0.00	26.32	8.60
PROCUREMENT CLERKS.....553263	20	0.09	0.00	18.42	8.30
STATISTICAL CLERKS.....553283	30	0.13	0.00	10.53	9.00
INTERVIEWING CLERKS, EXCEPT PERSONNEL OR WELFARE.....553323	80	0.34	0.00	13.16	7.10
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	80	0.34	0.00	60.53	8.50
PAYROLL & TIMEKEEPING CLERKS.....553413	50	0.21	0.00	63.16	8.90
BILLING, COST & RATE CLERKS.....553443	190	0.81	0.00	55.26	8.20
GENERAL OFFICE CLERKS.....553473	400	1.71	0.00	55.26	7.60
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	170	0.73	N.A.	N.A.	8.50
OPERATORS, BILLING/POSTING/ CALCULATING MACHINES.....560023	30	0.13	0.00	10.53	7.70
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT.....560113	70	0.30	0.00	39.47	9.20
DATA ENTRY KEYERS, EXCEPT COMPOSING.....560173	30	0.13	0.00	36.84	8.00
OTHER OFFICE MACHINE OPERATORS.....560993	40	0.17	N.A.	N.A.	8.20
SWITCHBOARD OPERATORS.....571023	260	1.11	0.00	71.05	7.20
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	190	0.81	N.A.	N.A.	7.70
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	120	0.51	0.00	42.11	7.90
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	40	0.17	0.00	34.21	7.30
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	30	0.13	N.A.	N.A.	7.60
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	60	0.26	N.A.	N.A.	7.40
SERVICE OCCUPATIONS.....600003	4,850	20.74	N.A.	N.A.	7.30
HOUSEKEEPERS.....610083	200	0.86	0.00	63.16	7.70

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
 SIC 80 HOSPITALS
 BENCHMARK EMPLOYMENT: 23,350 TOTAL NUMBER OF RESPONDENTS: 38
 REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER SERVICE SUPERVISORS.....610993	70	0.30	N.A.	N.A.	\$10.20
GUARDS & WATCH GUARDS.....630473	80	0.34	0.00	23.68	7.40
FOOD, BEVERAGE PREPARATION & SERVICE WORKERS.....650003	1,150	4.92	N.A.	N.A.	6.60
FOOD SERVERS, OUTSIDE.....650113	100	0.43	0.00	15.79	6.20
DINING ROOM & CAFETERIA ATTENDANTS, BARTENDER HELP.....650143	40	0.17	0.00	15.79	6.60
COUNTER ATTENDANTS, COFFEE SHOP, LUNCHROOM, CAFETERIA.....650173	20	0.09	0.00	10.53	6.20
BAKERS, BREAD & PASTRY.....650213	10	0.04	0.00	13.16	8.00
COOKS, INSTITUTION OR CAFETERIA.....650283	200	0.86	0.00	89.47	8.10
FOOD PREPARATION WORKERS.....650383	420	1.80	0.58	55.26	6.40
OTHER FOOD SERVICE WORKERS.....650993	360	1.54	N.A.	N.A.	6.00
HEALTH SERVICE & RELATED.....660003	2,370	10.14	N.A.	N.A.	7.90
MEDICAL ASSISTANTS.....660053	40	0.17	0.00	18.42	8.40
NURSING AIDES, ORDERLIES & ATTENDANTS.....660083	1,650	7.06	0.22	81.58	7.70
HOME HEALTH AIDES.....660113	20	0.09	0.00	7.89	7.20
PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES.....660173	80	0.34	0.00	60.53	8.00
OCCUPATIONAL THERAPY ASSISTANTS & AIDES.....660213	20	0.09	0.00	21.05	8.20
AMBULANCE DRIVERS & ATTENDANTS.....660233	10	0.04	0.00	7.89	6.40
PHARMACY ASSISTANTS.....660263	180	0.77	0.00	65.79	8.10
OTHER HEALTH SERVICE.....660993	370	1.58	N.A.	N.A.	8.70
MAIDS & HOUSEKEEPING CLEANERS.....670023	780	3.34	0.00	68.42	6.40
JANITORS & CLEANERS.....670053	130	0.56	0.00	31.58	7.80
OTHER CLEANING & BUILDING SERVICE WORKERS.....670993	20	0.09	N.A.	N.A.	7.80
ALL OTHER SERVICE WORKERS.....699993	50	0.21	N.A.	N.A.	7.30
AGRICULTURAL, FORESTRY, FISHING & RELATED.....700003	30	0.13	N.A.	N.A.	7.60
GARDENERS & GROUNDSKEEPERS.....790303	30	0.13	0.00	31.58	7.60
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	660	2.82	N.A.	N.A.	10.20
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	40	0.17	N.A.	N.A.	16.40
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	30	0.13	0.00	34.21	16.70
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	10	0.04	N.A.	N.A.	15.80
MECHANICS, INSTALLERS & REPAIRERS.....850003	210	0.90	N.A.	N.A.	10.60
MACHINERY MAINTENANCE MECHANICS.....851103	20	0.09	0.00	15.79	11.40
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	100	0.43	1.04	57.89	8.80
HEATING/AIR CONDITIONING/ REFRIGERATION MECHANICS.....859023	20	0.09	0.00	15.79	11.30
ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS.....859083	30	0.13	0.00	18.42	12.60
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	40	0.17	N.A.	N.A.	12.20

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 80 HOSPITALS
BENCHMARK EMPLOYMENT: 23,350 TOTAL NUMBER OF RESPONDENTS: 38
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	170	0.73	N.A.	N.A.	\$11.00
CARPENTERS.....871023	40	0.17	0.00	28.95	11.00
ELECTRICIANS.....872023	40	0.17	0.00	28.95	12.20
PAINTERS & PAPERHANGERS, CONSTRUCTION & MAINTENANCE.....874023	60	0.26	0.00	39.47	10.30
PLUMBERS, PIPEFITTERS & STEAMFITTERS.....875023	30	0.13	0.00	21.05	11.00
TEXTILE & RELATED SETTERS & OPERATORS.....927003	90	0.38	N.A.	N.A.	7.00
LAUNDRY & DRYCLEANING OPERATORS, EXCEPT PRESSING.....927263	90	0.38	0.00	28.95	7.00
OTHER TEXTILE & RELATED SETTERS & OPERATORS.....927993	20	0.09	N.A.	N.A.	7.40
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	40	0.17	N.A.	N.A.	9.50
BOILER OPERATORS, LOW PRESSURE.....929263	40	0.17	0.00	18.42	9.50
PLANT & SYSTEM WORKERS.....950003	20	0.09	N.A.	N.A.	11.40
OTHER PLANT & SYSTEM OPERATORS.....950993	20	0.09	N.A.	N.A.	11.40
MOTOR VEHICLE OPERATORS.....971003	50	0.21	N.A.	N.A.	7.80
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	50	0.21	0.00	15.79	7.80
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	20	0.09	N.A.	N.A.	8.50

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

NOTES ABOUT THE TABLES

Employment

As mandated by our confidentiality rule, if only one or two establishments reported a particular occupation, the employment for that occupation is not shown separately, but added to the appropriate "All Other" residual category. Also, if 50 percent or more of the employment for an occupation was reported by only one company, or if 75 percent or more of the employment was reported by only two firms, the estimate for this occupation will not be published unless authorization from the firm or firms is requested and received. The "Benchmark Employment" for each industry was based on the second quarter 1992 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law.

Employment and Percent of Total Employment

The detail in these columns may not add to totals due to rounding. Also, Total Employment may not equal Benchmark Employment due to rounding.

Relative Error (in %)

The relative error was computed only for specific occupations and not for residual categories nor the occupational groupings. Within an industry whose total response rate was 70 percent or better, occupational employment for an occupation with a relative error greater than 50 percent was not published separately but added to the residual category relevant to it. Within an industry whose total response rate was between 60 and 70 percent, occupational employment for an occupation with a relative error greater than 35 percent was not published separately but added to the residual category relevant to it. No occupational employment is published for an industry whose response rate was less than 60 percent. For an example of how the relative error is applied, see Accuracy of Occupational Employment Data in the METHODOLOGY.

Establishments Reporting the Occupations (%)

The percent of establishments reporting each occupation could not be readily calculated for groups of occupations, but only for specific occupations.

Abbreviations

SIC - Standard Industrial Classification, as defined in the 1987 edition of the *Standard Industrial Classification Manual*, prepared by the Executive Office of the President, Office of Management and Budget, Statistical Policy Division.

METHODOLOGY

The Sample

The April 1991 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law was used as the sampling frame for the Occupational Employment Statistics (OES) Program's survey of hospitals. All municipal, state, and private hospitals employing more than four workers were included in this survey. This amounted to 50 units employing a total of 23,280 employees. Hospitals run by the Federal Government were excluded from this report as they were included in the survey of Federal Government.

The Survey

The survey consisted of an initial mailing and two follow-up mailings to nonrespondents. In addition, phone calls and personal visits were made to those employers whose responses were critical for valid estimates. The final sample consisted of 49 units employing 23,275 workers. Usable responses were received from 38 units, or 77.6 percent of the total number of hospitals included in this survey. These responses represented 74.4 percent of the total employment in hospitals, or 17,323 workers.

The Screening, Editing, and Estimating Procedures

Each completed questionnaire returned was edited and screened both manually and mechanically for consistency and accuracy. The survey data was then expanded to total wage and salary employment for each detailed industry using a series of nonresponse adjustment factors, weights, and benchmark factors. This total wage and salary employment by industry for the report month of April 1992 came from the second quarter 1992 ES-202 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law. Self-employed persons, and other persons for establishments not covered by the ES-202 report are not included.

Accuracy of Occupational Employment Data

There are two types of errors which affect the accuracy of the estimates published here—sampling and nonsampling errors. Sampling error is a specific arithmetic measure of the precision of an estimate. It is the difference between the estimate computed from the sample data and the result that would be obtained if the same methods were used to collect identical information from the entire population or universe. Because nearly all hospitals were included in this survey, the sampling errors are zero, or too small to be significant.

The nonsampling error results from external factors in a survey rather than from the fact that a sampling technique was used. Examples of these errors are: response refusals, response errors, processing errors, computational errors, etc. The possibility of these errors was recognized from the start of the survey and every effort was made to avoid them.

Other Occupational Staffing Patterns Publications

<u>Publication Series Number</u>	<u>Industries Covered</u>	<u>Survey Date</u>	<u>Release Date</u>
OES - 47	Agricultural Services	May 1992	December 1993
OES - 45	Manufacturing	April/May/June 1992	December 1993
OES - 44	Federal Government State Government Local Government	March 1992 May 1991 May 1991	December 1992 December 1992 December 1992
*OES - 43	Educational Services	April 1991	December 1992
OES - 42	Wholesale Trade Retail Trade Transportation Communications Electric, Gas, & Sanitary Services	April/May/June 1991	December 1992
*OES - 41	Mining Construction Finance, Insurance, and Real Estate Services (Except hospitals and education)	April/May/June 1990	July 1992

*Does not include occupational wage data.

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